

## KNIME Analytics Platform Course for Beginners April 23, 2018 – Austin

<b>Breakfast / Introductions</b>	<b>9:00 – 10:00</b>	
Introduction to KNIME	10:00 – 10:30	Introduction Installing KNIME The KNIME Workbench Preview of the “Next Best Offer” Workflow
Importing Data	10:30 – 11:00	Data Source Nodes Reading Files Connecting to a Database
Data Manipulation & Data Aggregation	11:00 – 12:00	Data Manipulation Nodes Aggregation (GroupBy) Data Integration, Join
<b>Lunch</b>	<b>12:00 – 13:00</b>	
Data Visualization	13:00 – 13:45	Visualization Nodes Interactivity Interactive View Nodes Graphics from R
Data Mining	13:45 – 15:00	Process Overview Learner/Predictor Motif Creating Test and Training Sets Model Evaluation: Scoring and RoC
<b>Break</b>	<b>15:00 – 15:30</b>	
Integrating External Tools	15:30 – 16:30	Scripting (Java, Python, R) Web Services JSONPath/XPath Big Data (Hive, HDFS, Spark)
Data Export & Reporting	16:30 – 17:30	File Writer Nodes Database Write/Update Reporting
Summary & Catch-up	17:30 – 18:00	Summary of Materials Covered Q&A Session
<b>Break</b>	<b>19:00</b>	<b>Dinner hosted by KNIME</b>